IBM 3117 Scanner

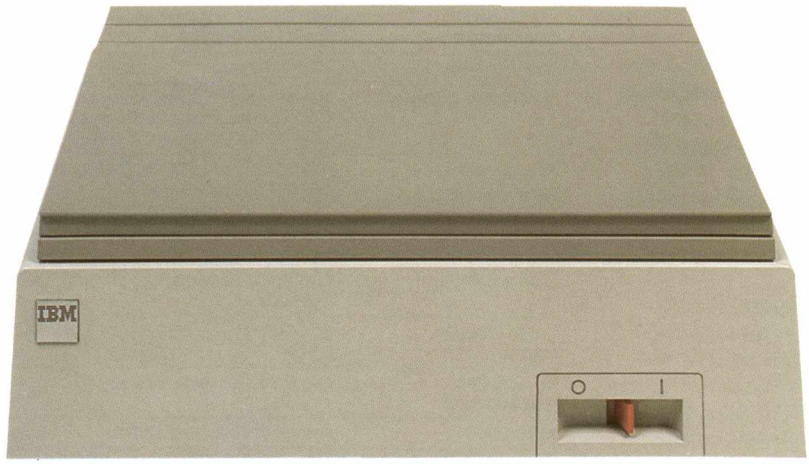
Image processing means a new form of document handling

Image processing is a fast, efficient and cost-effective way of handling documents. The IBM 3117 Scanner quickly translates any image—including text, pictures, handwriting, formats—into a noncoded digital form. In this form, the image can be stored and manipulated by your computer, similar to alphanumeric data.

This noncoded data can be displayed on any IBM Personal Computer, IBM Personal System/2™ model, or IBM 3270, then manipulated on-screen, transferred between terminals, and printed on any of the printers supported.

Image processing is another step in the evolution of office automation and desktop publishing. Image processing with an IBM 3117 Scanner could give you the opportunity to reach your productivity goals.

The IBM 3117 Scanner is a desktop, flatbed page scanner with a small footprint, suitable for scanning images in bound, carbon-backed or odd-size documents. Capable of scanning images at an average speed of 30 seconds per page, the IBM 3117 Scanner can bring benefits to diverse areas of any organization, since it can be used for many different tasks in a number of environments.



Here are just a few ways the IBM 3117 Scanner can make your workday more productive:

Save time and effort entering data. Documents containing text and images—such as drawings, charts, signatures and symbols—can simply be scanned into the computer and stored on disk. You don't have to enter it character for character and word for word from a keyboard.

Reduce filing chores and storage-space needs. With an IBM 3117 Scanner, you reduce the amount of time spent manually sorting and filing paper—as well as the space needed for files. Scanning takes only a fraction of the time normally consumed by manual sorting, and your files are stored on diskettes.

Do away with tiresome cut-and-paste jobs. There's no need to separate visuals and special symbols from each page of text with the IBM 3117 Scanner—just scan them on the disk the way they appear on the page. Once a document is scanned, changes can be made quickly and easily on your display screen.

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Shorten information retrieval time. When you put the IBM 3117 Scanner to work, all your information can be stored on a central data base. Documents are identified using key words and filenames. To get the document or information you want, simply use the identifier to call it up on your display screen.

Speed distribution. The IBM 3117 Scanner can shorten the time needed to distribute a document locally or to remote locations. Information transferred to disk using an IBM Scanner can easily be accessed from an IBM multiuser system or local area network, or transmitted over a modem.

Highlights

The IBM 3117 Scanner offers you a quick way of transferring data from paper to memory with an average scanning speed of just 30 seconds per page. And resolution of up to 240 x 240 picture elements (pels) per inch assures you of image-capture clarity for every document you scan.

Letter-size images, bound documents, portions of large pages, and papers of odd sizes, shapes and weights can all be easily scanned.

Partial page scanning allows you to easily eliminate unnecessary information and reduce the volume of stored image data.

Full program control of darkness, contrast and halftoning for each area of the scanned document can be achieved, regardless of whether full or partial pages are scanned.

Horizontal and vertical scanning resolutions are adjustable.

Darkness control lets you vary the scanned document to achieve a darker or lighter copy.

Up to 16 levels of digital halftoning let you improve the quality of scanned pictures by emulating gray levels.

The raw image bit map of the scanned page can be compressed, using the Modified Modified Read (MMR) method, to an average ratio of 27 to 1 at 240 x 240 pels resolution—using the IBM 3117 Extension Unit—permitting more efficient handling of large amounts of image data.

Contrast control is provided using dynamic thresholding and edge-enhancement functions. Sharper, crisper images are achieved through these functions.

Additional image-scanning/processing power is delivered via the Intel 80186 microprocessor in the IBM 3117 Extension Unit or the Intel 8051 microprocessor in the IBM 3117 Adapter and the IBM 3117 Adapter/A.

What you get

The IBM 3117 Scanner is shipped with:

- Power cord
- Guide to Operations

Options

The following options are available for the IBM 3117 Scanner:

- IBM 3117 Adapter Card, which permits attachment of the IBM 3117 Scanner to the IBM Personal Computer or IBM Personal System/2 Model 30. Shipped with a Guide to Operations and a diagnostic diskette.
- IBM 3117 Adapter Card/A, which permits attachment of the IBM 3117 Scanner to the IBM Personal System/2 Models 50, 60 and 80. Shipped with a Guide to Operations and a diagnostic diskette.
- IBM 3117 Cable, which is shipped in a separate carton, to connect an IBM 3117 Scanner with an IBM 3117 Adapter or IBM 3117 Adapter/A.
- IBM 3117 Extension Unit, which facilitates attachment to a system unit providing compressed data images. The 3117 Extension Unit also permits the IBM 3117 Scanner to attach to an IBM 3193 Display Station or IBM Personal Computer via IBM High Speed Adapter or IBM High Speed Adapter/A or IBM PC Asynchronous Communications Adapter or IBM PC Serial/Parallel Communications Adapter. Shipped with a Guide to Operations.

Software supported

The IBM 3117 Scanner is designed to operate with the IBM Image Support Facility 2 Version 1.1 licensed program when attached to an IBM Personal Computer or IBM Personal System/2. When attached to an IBM 3193 Display Station and a host computer, the GDDM Version 2.0 Release 1 and GDDM-IVU (Image View Utility) are designed to support image.

Warranty/Service

Every IBM product is built to meet high standards of quality and reliability. So you can count on the IBM 3117 Scanner to perform smoothly year after year.

This IBM image product is backed by a one-year warranty.

With an IBM Maintenance Agreement, you can arrange for IBM On-Site Repair (IOR) and Customer Carry-In Repair (CCR).

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IBM 3117 Scanner at a glance

Description	A desktop, lightweight, feed-through page scanner for use with IBM Personal Computers and IBM Personal System/2 system units
Microprocessor	Intel 80186 for the IBM 3117 Scanner Extension Unit, Intel 8051 for the IBM 3117 Adapter and 3117 Adapter/A
Dimensions	5" H x 15.2" W x 13.4" D
Power supply	120 VAC, 1 phase, 60 Hz, with 1.8-meter power cable
Supported systems	IBM Personal System/2 Models 30, 50, 60 and 80; IBM Personal Computer, Personal Computer AT,® 3270 PC AT, 3270 PC and Personal Computer XT™
Attachment to systems via	IBM 3117 Adapter, IBM 3117 Adapter/A IBM High Speed Adapter IBM High Speed Adapter/A, IBM PC Asynchronous Communications Adapter, IBM PC Serial/Parallel Communications Adapter
Host attachment	IBM 3193 Display Station (requires IBM 3117 Extension Unit feature)
Host software support	GDDM Version 2.0 Release 1, GDDM-IVU (Image View Utility)
PC software requirements	Image Support Facility 2 Version 1.1
Resolution	Program selectable up to 240 x 240 pels per inch
Data compression	27:1 average at 240 x 240 pels per inch
Scan speed (letter size)	30 seconds (average)

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